Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/06/2018 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124751	-1	1.43	124577	1.43
Blue	F	SSC	125000	123573	-2	3.43	123848	3.26
Blue	E	FITC	23615	22874	-4	2.65	1025	10.41
Blue	D	PE	26739	26290	-2	2.14	945	10.25
Blue	B	PerCP-Cy5-5	48339	47217	-3	3.58	1357	17.04
Blue	A	PE-Cy7	45021	44719	-1	5.39	698	35.93
Red	C	APC	53064	52659	-1	2.76	3017	9.44
Red	A	APC-Cy7	57175	56146	-2	2.73	1186	10.85
Violet	B	V450	14728	14208	-4	4.74	678	9.53
Violet	A	V500	58621	57179	-3	4.50	2535	7.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18780	2.26	608	-6	N/A	N/A	Pass
Blue	F	SSC	60950	1.48	553	7	N/A	N/A	Pass
Blue	E	FITC	112	40.59	545	-3	0.0203	188	Pass
Blue	D	PE	206	29.65	537	1	0.1420	208	Pass
Blue	B	PerCP-Cy5-5	213	46.33	634	-1	0.0101	144	Pass
Blue	A	PE-Cy7	74	124.43	693	0	0.0116	20	Pass
Red	C	APC	350	27.40	596	-1	0.0204	47	Pass
Red	A	APC-Cy7	129	40.37	577	-3	0.0060	2051	Pass
Violet	B	V450	84	43.99	464	-6	0.0465	2311	Pass
Violet	A	V500	186	25.08	491	-6	0.0137	900	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.77	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.98	14.40 - 21.60	N/A	N/A	31.39	31.81	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10272

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments